IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	
	)	
In-kyu PARK et al	)	Group Art Unit: 2671
	)	
Application No.: 10/727,629	)	Examiner: Unassigned
	)	
Filed: December 5, 2003	)	Confirmation No.: 9103
	)	
For: METHOD AND APPARATUS FOR	)	
ENCODING AND DECODING THREE-	)	
DIMENSIONAL OBJECT DATA	)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

All of the listed documents were mentioned in prior Application Serial No. 60/430,976, filed December 5, 2002 and 60/487,263, filed July 16, 2003, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98, a copy of each of the listed documents, is enclosed.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 15, 2004   By: _____

Charles F. Wieland III
Registration No. 33,096

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Patent
Attorney Docket No. ___030681-457___

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

In-kyu PARK et al

Application No.:   10/727,629

Filing Date: December 5, 2003

Group Art Unit: 2671

Examiner: Unassigned

Confirmation No.: 9103

Title: METHOD AND APPARATUS FOR ENCODING AND DECODING THREE-DIMENSIONAL OBJECT DATA

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a _____**FIRST**_____ Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

☒ No additional fee for submission of an IDS is required.

☐ The fee of $180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.

☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.

☐ A statement under 37 C.F.R. § 1.97(e), and the fee of $180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.

☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.

☐ A check in the amount of _____ is enclosed for the fee due.

☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

By _____
Charles F. Wieland III
Registration No. 33,096

Date: April 13, 2004_____

BURNS DOANE
BURNS DOANE SWECKER & MATHIS LLP
INTELLECTUAL PROPERTY LAW

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

(3/04)

Substitute for form 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet | 1 | of | 1

Complete if Known	
Application Number	10/727,629
Filing Date	December 5, 2003
First Named Inventor	In-kyu PARK et al
Examiner Name	Unassigned
Attorney Docket Number	030681-457

APR 1 5 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes	Translation No

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	JIANGANG DUAN ET AL., "Compression of the Layered Depth Image", IEEE Transaction on Image Processing, 2003, pgs. 365-372, Vol. 12, No. 3,
	MARCELO J. WEINBERGER ET AL., The LOCO-I Lossless Image Compression algorithm: Principles and Standardization into JPEG-LS", IEEE Transactions on Image Processing, 2000, pgs. 1309-1324,Vol. 9, No. 8
	CHANG-SU KIM ET AL., "Compact Encoding of 3D Voxel Surfaces Based on Pattern Code Representation", IEEE Transactions on Image Processing, 2002, pgs. 932-943, Vol. 11, No. 8
	I. MOCCAGATTA ET AL., "MPEG-e Video Verification Model Version 13.0", International Organisation for Standardisation , ISO/JTC1/SC29/WG11, Coding of Moving Pictures and Associated Audio Information,1999, pgs. 362, MPEG99/N2687, Seoul, Korea
	MIKAEL VOURGES-SEVENIER (MINDEGO) ET AL., "FDIS of ISO/IEC 14496 Part 16: Animation Framework eXtension (AFX)", International Organisation for Standardisation, ISO?IEC JTC1/SC29/WG11, 2002, pgs 1-182, ISO/IEC JTC1/SC29/WG11 N5397, Awaji
	PAUL G.HOWARD ET AL., "Arithmetic Coding for Data Compression", Proceedings of the IEEE, 1994, pgs 857-865, Vol. 82, No.6
	ALEXANDER ZHIRKOV ET AL.,, "Result of Core Experiment on Depth Image-Based Representation (AFXA8.3)", International Organisation for Standardisation, Coding of Moving Pictures and Audio, ISO/IECJTC1/SC29/WG11, MPEG2002/M8259, 2002, pgs. 1-10, Fairfax, Virginia, USA
	KHALID SAYOOD, "Introduction to Data Compression", 2nd Edition, 2000, pgs. 1-179, Academic Press
	Y. BAYAKOVSKI ET AL., "Depth Image-Based Representations for Static And animated 3D Objects", IEEE ICIP, 2002, pgs. 25-28, Vol. 3, Rochester, New York, USA
	MIKAEL BOURGES-SEVENIER (Mindego) ET AL., 'FPDAM Of ISO/IEC 14496-1/AMD4", International Organisation for Standardisation, Coding of Moving Pictures and audio, ISO/IEC JTC1/SC29/WG11, N5071, 2002, pgs 1-367, Klagenfurt, Germany

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

VA 118840.1